

# TURFGRASS SCIENCE - BS

## Program Requirements

### First Year

Fall		Semester Credit Hours
SCSC 205	Problem Solving in Plant and Soil Systems	3
	American history ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a> ) <sup>1</sup>	3
	Communication ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication</a> ) <sup>1</sup>	3
	Government/Political science ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science</a> ) <sup>1</sup>	3
	Mathematics ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics</a> ) <sup>2</sup>	3
Semester Credit Hours		15

### Spring

AGEC 105	Introduction to Agricultural Economics	3
COMM 203	Public Speaking	3
	American history ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a> ) <sup>1</sup>	3
	Government/Political science ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science</a> ) <sup>1</sup>	3
	Mathematics ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#mathematics</a> ) <sup>2</sup>	3
Semester Credit Hours		15

### Second Year

Fall		Semester Credit Hours
CHEM 119	Fundamentals of Chemistry I	4
	Select one of the following:	3
ENTO 201	General Entomology	
ENTO 401	Principles of Integrated Pest Management	
PLPA 334	Turfgrass Pathology	
SCSC 446	Weed Management and Ecology	
	Language, philosophy and culture ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture</a> ) <sup>1</sup>	3
	Directed elective <sup>3</sup>	3
	General elective	2
Semester Credit Hours		15

### Spring

CHEM 222	Elements of Organic and Biological Chemistry	3
HORT 201	Horticultural Science and Practices	3
	Select one of the following:	4
BIOL 101	Botany	

BIOL 111	Introductory Biology I	
CHEM 120	Fundamentals of Chemistry II	
GEOL 101 & GEOL 102	Principles of Geology and Principles of Geology Laboratory	
PHYS 201	College Physics	
	Select one of the following:	3
ENTO 201	General Entomology	
ENTO 401	Principles of Integrated Pest Management	
PLPA 334	Turfgrass Pathology	
SCSC 446	Weed Management and Ecology	
	Creative arts ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts</a> ) <sup>1</sup>	3
Semester Credit Hours		16

### Third Year

Fall		Semester Credit Hours
SCSC 301	Soil Science	4
SCSC 302	Recreational Turf	3
SCSC 312	Professional Development in Turfgrass	1
	Select one of the following: <sup>4</sup>	3
ESSM 313	Vegetation Sampling Methods and Designs in Ecosystems	
STAT 201	Elementary Statistical Inference	
STAT 302	Statistical Methods	
	Directed elective <sup>3</sup>	3
Semester Credit Hours		14

### Spring

RENK 205 or SCSC 444	Fundamentals of Ecology or Forage Ecology and Management	3
SCSC 309	Water in Soils and Plants	4
SCSC 428	Advanced Turf Ecology and Physiology	3
	Directive elective <sup>3</sup>	3
	General elective	3
Semester Credit Hours		16

### Fourth Year

Fall		Semester Credit Hours
MGMT 309	Survey of Management	3
SCSC 429	Turf Management Systems	4
	Select one of the following: <sup>5</sup>	3
SCSC 420	Brazilian Agriculture and Food Production Systems	
SCSC 421	International Agricultural Research Centers - Mexico	
SCSC 484	Internship	
SCSC 491	Research	
	General elective	6
Semester Credit Hours		16

### Spring

SCSC 307	Crop Biology and Physiology	4
SCSC 427	Sports Field Construction	4
SCSC 430	Turfgrass Maintenance	3

SCSC 481	Senior Seminar	2
Semester Credit Hours		13
Total Semester Credit Hours		120

- <sup>1</sup> Graduation requirements include a requirement for 3 hours of International and Cultural Diversity (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/international-cultural-diversity-requirements/>) courses and 3 hours of Cultural Discourse (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/cultural-discourse-requirements/>) courses. A course satisfying a Core category, a college/department requirement, or a free elective can be used to satisfy this requirement. Select in consultation with an academic advisor.
- <sup>2</sup> Choose from core curriculum courses with a MATH prefix.
- <sup>3</sup> To be selected from SCSC 300-499 (<http://catalog.tamu.edu/undergraduate/course-descriptions/scsc/>) courses not counting elsewhere on the degree plan and in consultation with an academic advisor.
- <sup>4</sup> Statistics course should be selected after consultation with academic advisor.
- <sup>5</sup> Students will complete an internship, study abroad or independent research experience.